



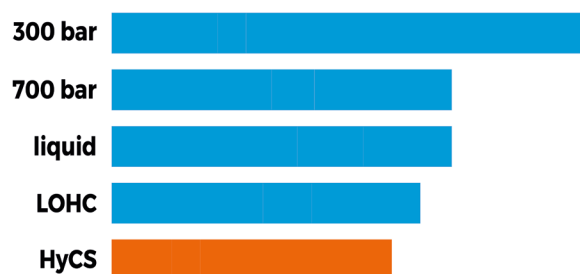
Use Cases for the HyCS®-Technology:

H₂-Supply – Cost-Effective and Over Long Distances

With our HyCS® technology, renewable energy from wind farms or solar power plants can be delivered to regional H₂ consumers like a gas station.

Our next technology scale-up step will enable us to supply H₂ from decentralized generators to decentralized users. Our modular transport units are expected to be available soon – without major technical adjustments to the existing pilot facility.

Reduced Transport Costs



These units enable experienced freight forwarders or fuel dealers with standard container vehicles to supply at least twice as much H₂ as with conventional pressure bottles. This leads to a significant transport costs reduction. The market for decentralized H₂ transport will grow significantly as a result of the German national H₂ strategy. There will also be room for new players.

We are already working on further developments to create new medium term business opportunities for shipping companies, ship-builders and international energy trading companies to establish international hydrogen transport chains. Because experts agree: In the future, at least two thirds of the German hydrogen demand will be imported – to a considerable extent from overseas.

Our advantages: With our HyCS®-technology compared to today's liquid hydrogen transport by large oversee ships, several times as much H₂ can be carried. Besides that, the water required for the H₂ production is remaining at the production site and can be used again. This is particularly important for H₂ production from solar energy in sun-rich and mostly dry locations around the world.

